

154074

J.W. Goussens

CERRO COPPER & BRASS COMPANY

Division of CERRO CORPORATION

P.O. BOX 681

EAST ST. LOUIS, ILLINOIS 62202

True

SUBJECT No. 4 Downhole

DATE 1/14/70

MESSAGE

So As It Is, It Appears That We Need To Think About A Downhole To Replace No. 4. Perhaps, While Long-Question Propose A Quote, We Should Consider Location, Cost Of Tie-In With Downhole System, Power Source, Etc. An AFE Will Be Necessary, But We Can Make Plans And Let The Paperwork Follow.

SIGNED

REPLY

P.S. I Don't Know Whether Utilities Survey Inc. Who Have A Contract Now, Can Help, Due To The Time Element And Urgency, But We Can Discuss This.

cc. W.E. Dunnick

SIGNED

DATE 1/1

Rediform® 45 472

SEND PARTS 1 AND 3 WITH CARBON INTACT - PART 3 WILL BE RETURNED WITH REPLY.

DETACH AND FILE FOR FOLLOW-UP

C03353

# CERRO COPPER & BRASS COMPANY

DIVISION OF CERRO CORPORATION

## INTERNAL MEMORANDUM

OTHER ADDRESSEES - FOR INFORMATION

CC: W. E. Dunnick  
J. A. Staples  
W. G. Graff  
File

1104

A-June

Form HQ-10

SHOW NAME, TITLE AND CORPORATION OF ADDRESSEE AND ADDRESSOR

TO: P. Tandler, Technical Manager

DATE: May 14, 1970

FROM: Jos. W. Goldenberg, Chief Engineer

SUBJECT: DEEP WELL WATER

Apparently we are unable to rescue Deep Well No. 4 which is located in the southeast corner of the Anode Furnace Building. Layne-Western Company has been working on this for a number of days and have encountered a metal obstruction at approximately 78 feet. Attempts to pierce this obstruction have been unsuccessful. Apparently either the old casing and/or screen have collapsed.

The following information was supplied on 5-16-67 from the log book of Watson Well Drilling Company, original installer, now out of business:

Well installed in 1950 consisted of a 20' I.D. porous concrete casing to a depth of 100'  $\pm$ . Peerless Pump - 1000 g.p.m. @ 200' head - 12" - 4 stage - water lubricated shaft - 60 H.P. motor.

In 1961 the same company installed inside the original concrete casing a 20" steel casing with a 20" X 30' stainless steel screen.

Our deep well log books indicate a number of drawdown and treatment entries between 1961 and 1967.

In 1967 Layne-Western installed 80' of 16" steel casing with an external packing ring inside the existing 20" casing to attempt to keep gravel from filling the screen.

It is the opinion of Verne Luther, District Manager of Layne-Western, that any attempt to withdraw the 16" casing and attempt to "grab" and remove the obstructing metal would probably be unsuccessful and costly because of limited space and headroom for a rig inside the building. We concur in this opinion.

I have requested Mr. Luther to immediately submit proposal together with details for installing a new deep well. This will include wells of varying capacities, as well as an allowance for reusing our pump. His estimate for an installation is between \$15,000 and \$17,000. This does not include connecting the new well to our system or providing power.

C03354

It is my understanding that the plant is in a critical condition with regard to the supply of deep well water.